

CLAIMS

WHAT IS CLAIMED IS:

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1. An agent for modulating prolactin secretion which comprises a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein.
 - 10 2. An agent as claimed in claim 1, wherein the ligand polypeptide is a polypeptide comprising an amino acid sequence represented by SEQ ID NO: 73 or a substantial equivalent thereto, or its amide or ester, or a salt thereof.
 - 15 3. An agent as claimed in claim 2, wherein the polypeptide comprising an amino acid sequence represented by SEQ ID NO: 73 is a polypeptide comprising an amino acid sequence represented by SEQ ID NO: 5, 8, 47, 50, 61 or 64.
 - 20 4. An agent as claimed in claim 1, which is for promoting prolactin secretion.
 - 25 5. An agent as claimed in claim 1, which is for inhibiting prolactin secretion.
 - 30 6. An agent as claimed in claim 4, which is for treating or preventing hypoovarianism, gonocyst cacogenesis, menopausal syndrome, euthyroid or hypometabolism.
 - 35 7. An agent as claimed in claim 5, which is for treating or preventing pituitary adenomatosis, brain tumor, emmeniopathy, autoimmune disease, prolactinoma, infertility, impotence, amenorrhea, galactorrhea, acromegaly, Chiari-Frommel syndrome, Argonz-del Castilo syndrome, Forbes-Albright syndrome, lymphoma,
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Sheehan syndrome or dyszoospermia.

5 8. An agent for modulating placental function, which comprises a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein.

10 9. An agent as claimed in claim 8, which is for treating or preventing choriocarcinoma, hydatid mole, irruption mole, abortion, unthrifty fetus, abnormal saccharometabolism, abnormal lipidmetabolism or oxytocia.

15 10. An agent as claimed in claim 4, which is for promoting lactation of domestic mammal.

11. An agent as described in claim 4, which is for an aphrodisiac.

20 12. An agent for diagnosing function of prolactin secretion, which comprises a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein.

25 13. Use of a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein for manufacture of a medicament for modulating prolactin secretion.

30 14. A method for modulating prolactin secretion in a mammal, which comprises administering to said mammal a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein.

35 15. Use of a ligand polypeptide, or a salt thereof, for a G protein-coupled receptor protein for manufacture of a medicament for modulating placental function.

SECRET-CLASSIFIED

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16. A method for modulating placental function in a mammal, which comprises administering to said mammal a ligand polypeptide, or a salt thereof, for a G
5 protein-coupled receptor protein.

used
C6

add P1